Jaca

	Application No.	Applicant(s)		
Notice of Allowability	10/822,542	JACAB ET AL.		
	Examiner	Art Unit		
	BINH Q. TRAN	3748		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.				
1. This communication is responsive to				
2. The allowed claim(s) is/are <u>1-6</u> .				
3. The drawings filed on 12 April 2004 are accepted by the Examiner.				
4.				
Attachment(s)	•			
1. Notice of References Cited (PTO-892)	5. Notice of Informal P		O-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./Mail Dat	6. Interview Summary (PTO-413), Paper No./Mail Date		
 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 11/24/2004 4. ☐ Examiner's Comment Regarding Requirement for Deposit 		nent/Comment	owance	
of Biological Material	9. Other	<u> </u>		
		BINH Q. TRAN Primary Examiner Art Unit: 3748		

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EXAMINER'S AMENDMENT

Should the changes and/or An examiner's amendment to the record appears below.

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312.

To ensure consideration of such an amendment, it MUST be submitted no later than the payment of

the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr.

Robert Becker (Reg. No. 26,255) on July 26, 2005. During telephone conversation with Mr.

Becker, agreement was reached to amend Claim 6.

The application has been amended as follows:

IN THE CLAIMS:

Claim 6 has been amended as below.

- In claim 6, line 4, the phase "Table of has been inserted before -- Fig. 9--.

The above changes to Claim 6 has been made in order to correct indefinite claim language.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art fails to

disclose or render obvious the claimed combination including a free exhaust gas inlet surface of

the at least one catalytic converter is considerably smaller than a free exhaust gas inlet surface of

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the at least one particle separator; wherein an aspect ratio AR=I/ $\Phi_{\rm eff}$ of the at least one preliminary oxidation catalytic converter is approximately between 0.4 and 0.6; wherein an aspect ratio AR = I/Φ_{eff} of the at least one particle separator 16 is approximately between 0.5 and 1.0; wherein a volume of the at least one preliminary oxidation catalytic converter is between approximately 2.5 and 4 liters, wherein a volume of the at least one particle separator is between approximately 5.5 and 22 liters, and wherein a ratio of the volume of the at least one catalytic converter to the volume of the at least one particle separator is between approximately 0.15 and 0.55; wherein a ratio of the aspect ratio of the at least one particle separator 16 to the aspect ratio of the at least one preliminary oxidation catalytic converter is between approximately 1.05 and 2.2; and wherein at a maximum exhaust gas volume of flow (Nm³/h) a channel velocity in the at least one preliminary oxidation catalytic converter is greater than 8 m/sec and in the at least one particle separator is greater than 5 m/sec, wherein the maximum exhaust gas volume flow is delimited by a maximum permissible pressure loss, and a maximum permissible exhaust gas counter pressure with respect to a functionality of the internal combustion engine supplying exhaust gas.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and consists of six patents:

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Pawson et al. (Pat. No. 6722124), Olivo (Pat. No. 5285640), Woerner et al. (Pat. No.

6729127), Wagner et al. (Pat. No. 4899540), Hayashi et al. (Pat. No. 4916897), and Hough et al.

(Pat. No. 5063736) all discloses an exhaust gas purification for use with an internal combustion

engine.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Examiner Binh Tran whose telephone number is (571) 272-4865. The

examiner can normally be reached on Monday-Friday from 8:30 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Thomas E. Denion, can be reach on (571) 272-4859. The fax phone numbers for the organization

where this application or proceeding is assigned are (703) 872-9306 for regular communications

and for After Final communications.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BT

August 04, 2005

Binh Q. Tran

Patent Examiner

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